

## EAST Search History

| Ref # | Hits | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|------|---|-----------------|------------------|---------|------------------|
| L1    | 81   | supercritic\$5 and singlet near oxygen                                      | US-PGPUB; USPAT | OR               | ON      | 2007/08/26 12:47 |
| L2    | 0    | supercritic\$5 and singlet near oxygen and "372"/\$.ccls.                   | US-PGPUB; USPAT | OR               | ON      | 2007/08/26 12:46 |
| L3    | 81   | supercritical and singlet near oxygen                                       | US-PGPUB; USPAT | OR               | ON      | 2007/08/26 12:47 |
| L4    | 7    | supercritical and oxygen and "372"/\$.ccls.                                 | US-PGPUB; USPAT | OR               | ON      | 2007/08/26 12:53 |
| L5    | 1613 | singlet near oxygen and (atmosphere or atm)                                 | US-PGPUB; USPAT | OR               | ON      | 2007/08/26 12:53 |
| L6    | 32   | singlet near oxygen and (atmosphere or atm) and "372"/\$.ccls.              | US-PGPUB; USPAT | OR               | ON      | 2007/08/26 12:57 |
| L7    | 27   | singlet near oxygen and (sox or supercritical with oxygen)                  | US-PGPUB; USPAT | OR               | ON      | 2007/08/26 12:59 |
| L8    | 1835 | cool\$3 and (sox or supercritical with oxygen)                              | US-PGPUB; USPAT | OR               | ON      | 2007/08/26 12:59 |
| L9    | 216  | cool\$3 and (sox or supercritical with oxygen) and laser                    | US-PGPUB; USPAT | OR               | ON      | 2007/08/26 12:59 |
| L10   | 2    | cool\$3 and (sox or supercritical with oxygen) and laser and "372"/\$.ccls. | US-PGPUB; USPAT | OR               | ON      | 2007/08/26 12:59 |
| L11   | 1835 | cool\$3 and (sox or (supercritical with oxygen))                            | US-PGPUB; USPAT | OR               | ON      | 2007/08/26 13:00 |
| L12   | 2    | cool\$3 and (sox or (supercritical with oxygen)) and "372"/\$.ccls.         | US-PGPUB; USPAT | OR               | ON      | 2007/08/26 13:00 |
| L13   | 216  | cool\$3 and (sox or (supercritical with oxygen)) and laser                  | US-PGPUB; USPAT | OR               | ON      | 2007/08/26 13:01 |
| L14   | 360  | cool\$3 and (supercritical with oxygen)                                     | US-PGPUB; USPAT | OR               | ON      | 2007/08/26 13:13 |
| L15   | 28   | singlet near oxygen and "372"/\$.ccls. and atmosphere                       | US-PGPUB; USPAT | OR               | ON      | 2007/08/26 13:17 |
| L16   | 46   | singlet near oxygen and "372"/\$.ccls. and (atmosphere or atm or torr)      | US-PGPUB; USPAT | OR               | ON      | 2007/08/26 13:35 |
| L17   | 2884 | 372/89,55,34,70.ccls.   | US-PGPUB; USPAT | OR               | ON      | 2007/08/26 13:36 |
| S1    | 1    | ("20030156605").PN.   | US-PGPUB; USPAT | OR               | OFF     | 2007/08/22 08:34 |
| S2    | 1    | ("5736709").PN.   | US-PGPUB; USPAT | OR               | OFF     | 2007/08/22 08:34 |
| S3    | 1    | ("6778565").PN.   | US-PGPUB; USPAT | OR               | OFF     | 2007/08/22 08:36 |

## EAST Search History

|    |    |   |                    |    |     |                  |
|----|----|---|--------------------|----|-----|------------------|
| S4 | 1  | ("6608951").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2007/08/22 08:36 |
| S5 | 2  | ((("6301421") or ("6081543"))).PN.  | US-PGPUB;<br>USPAT | OR | OFF | 2007/08/22 08:49 |
| S6 | 23 | (fabry-perot or fabry near perot) and active same (mqw or quantum near well) and confin\$5 near coefficient   | US-PGPUB;<br>USPAT | OR | ON  | 2007/08/22 08:51 |
| S7 | 10 | (fabry-perot or fabry near perot) and active same (mqw or quantum near well) and confin\$5 near coefficient same (well or active) with thick\$4   | US-PGPUB;<br>USPAT | OR | ON  | 2007/08/22 10:03 |
| S8 | 7  | ((("4,144,101") or ("4,216,036") or ("4,233,387") or ("4,810,611") or ("5,073,041") or ("5,115,441") or ("5,115,442"))).PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2007/08/22 10:04 |
| S9 | 60 | ((("4,144,101") or ("4,216,036") or ("4,233,387") or ("4,810,611") or ("5,073,041") or ("5,115,441") or ("5,115,442") or ("5,126,875") or ("5,171,703") or ("5,179,567") or ("5,245,622") or ("5,258,990") or ("5,262,360") or ("5,262,491") or ("5,327,448") or ("5,331,654") or ("5,337,074") or ("5,354,709") or ("5,359,618") or ("5,373,522") or ("5,400,354") or ("5,403,775") or ("5,412,680") or ("5,416,044") or ("5,493,577") or ("5,493,577") or ("5,550,081") or ("5,557,627") or ("5,568,499") or ("5,581,571") or ("5,594,751") or ("5,633,527") or ("5,659,193") or ("5,717,533") or ("5,719,891") or ("5,719,892") or ("5,724,374") or ("5,727,014") or ("5,729,566") or ("5,734,588") or ("5,739,945") or ("5,809,051") or ("5,864,468") or ("5,881,085") or ("5,896,408") or ("5,897,329") or ("5,903,588") or ("5,903,589") or ("5,978,408") or ("6,014,395") or ("6,052,399") or ("6,069,908") or ("6,075,804") or ("6,148,016") or ("6,201,704") or ("6,208,681") or ("6,269,109") or ("6,297,068") or ("6,304,588") or ("6,459,719") or ("6765943"))).PN. or ((09/552,568) or (2002/0097764) or (2004/0062284)).CCLS. | US-PGPUB;<br>USPAT | OR | OFF | 2007/08/22 10:12 |

## EAST Search History

|     |    |  |                              |    |     |                  |
|-----|----|--|------------------------------|----|-----|------------------|
| S10 | 62 | ((("4,144,101") or ("4,216,036") or ("4,233,387") or ("4,810,611") or ("5,073,041") or ("5,115,441") or ("5,115,442") or ("5,126,875") or ("5,171,703") or ("5,179,567") or ("5,245,622") or ("5,258,990") or ("5,262,360") or ("5,262,491") or ("5,327,448") or ("5,331,654") or ("5,337,074") or ("5,354,709") or ("5,359,618") or ("5,373,522") or ("5,400,354") or ("5,403,775") or ("5,412,680") or ("5,416,044") or ("5,493,577") or ("5,493,577") or ("5,550,081") or ("5,557,627") or ("5,568,499") or ("5,581,571") or ("5,594,751") or ("5,633,527") or ("5,659,193") or ("5,717,533") or ("5,719,891") or ("5,719,892") or ("5,724,374") or ("5,727,014") or ("5,729,566") or ("5,734,588") or ("5,739,945") or ("5,809,051") or ("5,864,468") or ("5,881,085") or ("5,896,408") or ("5,897,329") or ("5,903,588") or ("5,903,589") or ("5,978,408") or ("6,014,395") or ("6,052,399") or ("9552,568.apn.") or ("6,069,908") or ("6,075,804") or ("6,148,016") or ("6,201,704") or ("6,208,681") or ("6,269,109") or ("6,297,068") or ("6,304,588") or ("20020097764") or ("6,459,719") or ("20040062284") or ("6765943"))).PN. | US-PGPUB;<br>USPAT           | OR | OFF | 2007/08/22 10:29 |
| S11 | 13 | S10 and substrate and active and reflect\$4 and partial and current with control\$4 and aperture   | US-PGPUB;<br>USPAT           | OR | ON  | 2007/08/22 10:50 |
| S12 | 1  | S10 and hollow with current  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/08/22 10:54 |
| S13 | 22 | hollow with current near confin\$5   | US-PGPUB;<br>USPAT           | OR | ON  | 2007/08/22 16:13 |
| S14 | 2  | oxygen near laser and cryoreactor  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/08/23 13:17 |
| S15 | 3  | ("20030035458"   "4267526"   "4975265").PN. OR ("6658038").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/22 16:35 |
| S16 | 29 | "4689795"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/22 16:35 |
| S17 | 1  | ("4689795").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/08/22 16:35 |

## EAST Search History

|     |     |   |                    |    |    |                  |
|-----|-----|---|--------------------|----|----|------------------|
| S18 | 9   | oxygen near laser and cryo\$  | US-PGPUB;<br>USPAT | OR | ON | 2007/08/23 13:22 |
| S19 | 25  | oxygen near laser and singlet and "372"/\$.ccls.  | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 09:41 |
| S20 | 2   | cryoreactor and "372"/\$.ccls.  | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 09:07 |
| S21 | 25  | oxygen near laser and singlet and "372"/\$.ccls.  | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 14:07 |
| S22 | 4   | S21 and liquid near oxygen  | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 09:08 |
| S23 | 10  | oxygen near3 laser and singlet and liquid near oxygen                                   | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 09:10 |
| S24 | 182 | oxygen near3 laser and singlet and (lo\$1 or liquid near oxygen)                        | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 09:10 |
| S25 | 80  | oxygen near3 laser and singlet and (lo\$1 or liquid near oxygen) and "372"/\$.ccls.     | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 09:11 |
| S26 | 8   | oxygen near3 laser and singlet and (lox or liquid near oxygen) and "372"/\$.ccls.       | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 09:11 |
| S27 | 22  | oxygen near laser and singlet and "372"/\$.ccls. and cavity                             | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 09:59 |
| S28 | 102 | diode near array same oxygen  | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 09:59 |
| S29 | 5   | diode near array same oxygen and "372"/\$.ccls.   | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 10:07 |
| S30 | 23  | liquid near oxygen and "372"/\$.ccls.   | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 10:40 |
| S31 | 0   | liquid near oxygen and fiber and raman and singlet and supercritical and "372"/\$.ccls. | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 10:05 |
| S32 | 1   | liquid near oxygen and fiber and raman and singlet and "372"/\$.ccls.                   | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 10:05 |
| S33 | 5   | S27 and fiber   | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 10:07 |
| S34 | 0   | supercritical near oxygen and "372"/\$.ccls.  | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 10:41 |
| S35 | 0   | super near critical near oxygen and "372"/\$.ccls.                                      | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 10:42 |
| S36 | 0   | super near critical and singlet and oxygen and "372"/\$.ccls.                           | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 10:42 |
| S37 | 0   | supercritical and singlet and oxygen and "372"/\$.ccls.                                 | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 10:42 |
| S38 | 41  | critical and singlet and oxygen and "372"/\$.ccls.                                      | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 10:56 |

## EAST Search History

|     |    |   |                    |    |    |                  |
|-----|----|---|--------------------|----|----|------------------|
| S39 | 5  | singlet and fiber same diode same oxygen and "372"/\$.ccls.             | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 11:08 |
| S40 | 44 | singlet and fiber same diode and "372"/\$.ccls.                         | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 11:11 |
| S41 | 28 | singlet and fiber same diode and "372"/\$.ccls. and oxygen              | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 11:18 |
| S42 | 11 | oxygen same fiber same diode and "372"/\$.ccls. and oxygen              | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 11:20 |
| S43 | 25 | fiber same diode near array and "372"/\$.ccls. and oxygen               | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 11:24 |
| S44 | 5  | oxygen same diode near array and "372"/\$.ccls. and oxygen              | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 13:00 |
| S45 | 79 | oxygen same fiber and "372"/\$.ccls. and oxygen                         | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 13:01 |
| S46 | 10 | oxygen same fiber and "372"/\$.ccls. and oxygen and singlet             | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 13:18 |
| S47 | 12 | "372"/\$.ccls. and coil and diode near array and fiber and oxygen       | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 13:02 |
| S48 | 0  | raman and ytterbium and fiber and "372"/\$.ccls. and oxygen and singlet | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 13:19 |
| S49 | 8  | raman and ytterbium and fiber and "372"/\$.ccls. and oxygen             | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 13:23 |
| S50 | 22 | raman and (yag or yb) and fiber and "372"/\$.ccls. and oxygen           | US-PGPUB;<br>USPAT | OR | ON | 2007/08/26 12:45 |
| S51 | 90 | oxygen near4 laser and singlet and "372"/\$.ccls.                       | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 14:08 |
| S52 | 7  | oxygen near4 laser and singlet and "372"/\$.ccls. and waveguide         | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 14:08 |
| S53 | 65 | oxygen near4 laser and "372"/\$.ccls. and waveguide                     | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 14:10 |
| S54 | 6  | oxygen with singlet and "372"/\$.ccls. and waveguide                    | US-PGPUB;<br>USPAT | OR | ON | 2007/08/24 14:10 |